

23351





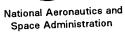




NASA Case No.: 16079-1

Space Administration	TION DOWER OF ATTORNE	Y AND PETITION - ORIGINAL APPLICATION
As a below named inventor, the original, first and sole ir subject matter which is clair ESTER, ESTER-IMID	I hereby declare that: my residence, post of twentor (If only one name Is listed below) need and for which a patent is sought on the E. AND ESTER-AMIDE OLIGOM	office address and citizenship, are stated below next to my name, I believe I am or an original, first and joint inventor (if plural names are listed below) of the envention entitled LIQUID CRYSTALLINE THERMOSETS FROM IERS, the specification of which is attached hereto, _X_was filed and was amended on (Date)
on (Date) 01/05/2001	S Application Series	specification, including the claims, as amended by any amendment referred to
I have reviewed and under above.	stand the contents of the above identified	e viel to potentability as defined
I acknowledge the duty to d in 37 CFR §1.56.	lisclose to the Patent and Trademark Office	be all information which is known to me to be material to patentability as defined
I hereby claim the benefit u of this application is not acknowledge the duty to di §1.56 which became availa ( Serial No.),	sclose to the Patent and Trademark Office sclose to the Patent and Trademark Office able between the filing date of the prior app (Filing Date), the status of which is	application(s) listed below and, insofar as the subject matter of each of the claims lication in the manner provided by the first paragraph of 35 U.S.C. §112, I all information known to me to be material to patentability as defined in 37 CFR plication and the national or PCT international filing date of this application:  abandoned.
I haraby alaim foreign pric	ority benefits under Title 35, United States	Code, § 119(e) of any United States Provisional applications listed below: FILING DATE
PROVISIONAL APPLIC	ATION NOMBER	
60 / 232,504		September 13, 2000
the status of which is	atented, <u>x</u> pending,	_ abandoned.
POWER OF ATTORN in the Patent and Tra	EY: I hereby appoint the following demark Office connected therewith	attorney(s) to prosecute this application and to transact all business :
POWER OF ATTORN in the Patent and Tra	EY: I hereby appoint the following demark Office connected therewith	
in the Patent and Tra	gemark office commodes was	Reg. No. 38,385
in the Patent and Tra	NDA B. B. BLACKBURN	Reg. No. 38,385  Reg. No. 42,235
in the Patent and Tra $^{\circ}$	NDA B. B. BLACKBURN  ILLARY W. HAWKINS	Reg. No. 38,385  Reg. No. 42,235  Reg. No. 36,819
in the Patent and Tra  L	NDA B. B. BLACKBURN  ILLARY W. HAWKINS  URT G. HAMMERLE	Reg. No. 38,385  Reg. No. 42,235
in the Patent and Tra $\frac{L}{L}$	INDA B. B. BLACKBURN  ILLARY W. HAWKINS  URT G. HAMMERLE  OBIN W. EDWARDS	Reg. No. 38,385  Reg. No. 42,235  Reg. No. 36,819
in the Patent and Tra  L  K  E	NDA B. B. BLACKBURN  ILLARY W. HAWKINS  URT G. HAMMERLE  BOBIN W. EDWARDS  HELEN M. GALUS	Reg. No. 38,385  Reg. No. 42,235  Reg. No. 36,819  Reg. No. 39,179
in the Patent and Tra  Li  K  E	INDA B. B. BLACKBURN  ILLARY W. HAWKINS  URT G. HAMMERLE  OBIN W. EDWARDS  HELEN M. GALUS  SUE H. PALK	Reg. No. 38,385  Reg. No. 42,235  Reg. No. 36,819  Reg. No. 39,179  Reg. No. 40,615
in the Patent and Tra  L  H  K  E	INDA B. B. BLACKBURN  ILLARY W. HAWKINS  URT G. HAMMERLE  ROBIN W. EDWARDS  HELEN M. GALUS  GUE H. PALK  GARY G. BORDA	Reg. No. 38,385  Reg. No. 42,235  Reg. No. 36,819  Reg. No. 39,179  Reg. No. 40,615  Reg. No. 36,422
in the Patent and Tra  Li  K  F	INDA B. B. BLACKBURN  ILLARY W. HAWKINS  URT G. HAMMERLE  OBIN W. EDWARDS  HELEN M. GALUS  SUE H. PALK	Reg. No. 38,385  Reg. No. 42,235  Reg. No. 36,819  Reg. No. 39,179  Reg. No. 40,615  Reg. No. 36,422  Reg. No. 35,455
in the Patent and Tra  Li  H  K  E  S  C  ADDRESS ALL COR	INDA B. B. BLACKBURN  ILLARY W. HAWKINS  URT G. HAMMERLE  SOBIN W. EDWARDS  HELEN M. GALUS  SUE H. PALK  GARY G. BORDA  ALAN J. KENNEDY	Reg. No. 38,385 Reg. No. 42,235 Reg. No. 36,819 Reg. No. 39,179 Reg. No. 40,615 Reg. No. 36,422 Reg. No. 35,455 Reg. No. 28,625 Reg. No. 31,117  DIRECT TELEPHONE CALLS TO:
in the Patent and Tra  Li  K  K  E  ADDRESS ALL COF  Name:  Address: NASA	INDA B. B. BLACKBURN  ILLARY W. HAWKINS  URT G. HAMMERLE  IOBIN W. EDWARDS  HELEN M. GALUS  SUE H. PALK  GARY G. BORDA  ALAN J. KENNEDY  HARRY LUPULOFF  RRESPONDENCE TO:  LANGLEY RESEARCH CENTER	Reg. No. 38,385  Reg. No. 42,235  Reg. No. 36,819  Reg. No. 39,179  Reg. No. 40,615  Reg. No. 36,422  Reg. No. 35,455  Reg. No. 28,625  Reg. No. 31,117   DIRECT TELEPHONE CALLS TO:  Name:  Telephone: (Set out complete number to be dialed
ADDRESS ALL COF	INDA B. B. BLACKBURN  ILLARY W. HAWKINS  LURT G. HAMMERLE  ROBIN W. EDWARDS  HELEN M. GALUS  BUE H. PALK  GARY G. BORDA  ALAN J. KENNEDY  HARRY LUPULOFF  RRESPONDENCE TO:  LANGLEY RESEARCH CENTER  STOP 212	Reg. No. 38,385  Reg. No. 42,235  Reg. No. 36,819  Reg. No. 39,179  Reg. No. 40,615  Reg. No. 36,422  Reg. No. 35,455  Reg. No. 28,625  Reg. No. 31,117   DIRECT TELEPHONE CALLS TO:  Name:  Telephone: (Set out complete number to be dialed from USPTO):
ADDRESS ALL COF Name:  Address: NASA MAIL ALAN ALL ALL ALL ALL ALL ALL ALL ALL A	INDA B. B. BLACKBURN  ILLARY W. HAWKINS  URT G. HAMMERLE  IOBIN W. EDWARDS  HELEN M. GALUS  SUE H. PALK  GARY G. BORDA  ALAN J. KENNEDY  HARRY LUPULOFF  RRESPONDENCE TO:  LANGLEY RESEARCH CENTER	Reg. No. 38,385  Reg. No. 42,235  Reg. No. 36,819  Reg. No. 39,179  Reg. No. 40,615  Reg. No. 36,422  Reg. No. 35,455  Reg. No. 28,625  Reg. No. 31,117   DIRECT TELEPHONE CALLS TO:  Name:  Telephone: (Set out complete number to be dialed







NASA Case No.: 16079-1

Space Administration	on	RADEMAN		
DECL	LARATION,	POWER OF ATTORN	NEY AND PETITION - ORIGINAL APPLICATION	
		alore that my residence, post	t office address and citizenship, are stated below next to my name, I believe	elam of the
amount tiret and so	ne mvemor (11 o	in y one ionia	I TOTILL OVER ALL LINE HELDING SELECT	
niect matter which is c	claimed and for v	Willett a patent is sough	AGED C the specification of which X is attached nereto,wa	S Ilicu
(Date) as	Application Seri	al No and wa	as amended on (Date)	
ave reviewed and un	iderstand the cor	ntents of the above identifie	d specification, including the claims, as amended by any amendment refer	теа и
ove.			to me to be material to patentability as o	define
cknowledge the duty	to disclose to the	e Patent and Trademark Off	fice all information which is known to me to be material to patentability as o	
37 CFR §1.56.			ting (a) listed below and insofar as the subject matter of each of the	claim
this application is recknowledge the duty to 1.56 which became as	to disclose to the vailable between (Filing Da	Patent and Trademark Office the filing date of the prior a ate), the status of which is	es application(s) listed below and, insofar as the subject matter of each of the pplication in the manner provided by the first paragraph of 35 U.S.C. § ce all information known to me to be material to patentability as defined in 3 pplication and the national or PCT international filing date of this application _ abandoned.	8112, 87 CFI n:
	_ patented,	_ pending,		
hereby claim foreign	priority benefits	under Title 35, United State	es Code, § 119(e) of any United States Provisional applications listed below: FILING DATE	
PROVISIONAL APPI	LICATION NO	MDER	G -4	
60 / 232 504	4		September 13, 2000	
00 / 20200				
/				
the status of which is	natented	x pending,	_ abandoned.	
the status of which is	_ patented,	<u>x</u> pending,	_ abandoned.	usine
	_ patented,	<u>x</u> pending,	_ abandoned. g attorney(s) to prosecute this application and to transact all b	usine
he status of which is	_ patented, RNEY: I here Trademark Of	$\underline{x}$ pending,	_ abandoned. g attorney(s) to prosecute this application and to transact all both:  Reg. No. 38,385	usine
he status of which is	_ patented, RNEY: I here Trademark Of	$rac{x}{x}$ pending, by appoint the following fice connected therewit	_ abandoned.  g attorney(s) to prosecute this application and to transact all bith:  Reg. No. 38,385  Reg. No. 42,235	usine
he status of which is	_ patented, RNEY: I here Trademark Of  LINDA B. B.  HILLARY W  KURT G. H	<u>x</u> pending, by appoint the following fice connected therewit  BLACKBURN  HAWKINS  AMMERLE	_ abandoned.  g attorney(s) to prosecute this application and to transact all beth:  Reg. No. 38,385  Reg. No. 42,235  Reg. No. 36,819	usine
he status of which is	_ patented, RNEY: I here Trademark Of  LINDA B. B.  HILLARY W  KURT G. HA	x pending, by appoint the following fice connected therewith BLACKBURN HAWKINS AMMERLE EDWARDS	_ abandoned.  g attorney(s) to prosecute this application and to transact all bith:  Reg. No. 38,385  Reg. No. 42,235  Reg. No. 36,819  Reg. No. 39,179	usine
he status of which is	_ patented, RNEY: I here Trademark Of  LINDA B. B. HILLARY W KURT G. H ROBIN W. E	<u>x</u> pending,  by appoint the following fice connected therewith  BLACKBURN  HAWKINS  AMMERLE  EDWARDS  GALUS	_ abandoned.  g attorney(s) to prosecute this application and to transact all beth:  Reg. No. 38,385 Reg. No. 42,235 Reg. No. 36,819 Reg. No. 39,179 Reg. No. 40,615	usine
he status of which is	_ patented, RNEY: I here Trademark Of  LINDA B. B. HILLARY W KURT G. HA ROBIN W. E HELEN M. C SUE H. PAI	x pending, by appoint the following fice connected therewith BLACKBURN HAWKINS AMMERLE EDWARDS GALUS LK	_ abandoned.  g attorney(s) to prosecute this application and to transact all bith:  Reg. No. 38,385 Reg. No. 42,235 Reg. No. 36,819 Reg. No. 39,179 Reg. No. 40,615 Reg. No. 36,422	usine
he status of which is	_ patented, RNEY: I here Trademark Of  LINDA B. B. HILLARY W KURT G. HA ROBIN W. E HELEN M. ( SUE H. PAI GARY G. B	x pending, by appoint the following fice connected therewit BLACKBURN HAWKINS AMMERLE EDWARDS GALUS LK	abandoned.  g attorney(s) to prosecute this application and to transact all beth:  Reg. No. 38,385 Reg. No. 42,235 Reg. No. 36,819 Reg. No. 39,179 Reg. No. 40,615 Reg. No. 36,422 Reg. No. 35,455	usine
he status of which is	_ patented, RNEY: I here Trademark Of  LINDA B. B. HILLARY W KURT G. HA ROBIN W. E HELEN M. C SUE H. PAL GARY G. B ALAN J. K	x pending, by appoint the following fice connected therewith BLACKBURN HAWKINS AMMERLE EDWARDS GALUS LK BORDA	_ abandoned.  g attorney(s) to prosecute this application and to transact all bith:  Reg. No. 38,385 Reg. No. 42,235 Reg. No. 36,819 Reg. No. 39,179 Reg. No. 40,615 Reg. No. 36,422 Reg. No. 35,455 Reg. No. 28,625	usine
he status of which is	_ patented, RNEY: I here Trademark Of  LINDA B. B. HILLARY W KURT G. HA ROBIN W. E HELEN M. ( SUE H. PAI GARY G. B	x pending, by appoint the following fice connected therewith BLACKBURN HAWKINS AMMERLE EDWARDS GALUS LK BORDA	abandoned.  g attorney(s) to prosecute this application and to transact all beth:  Reg. No. 38,385 Reg. No. 42,235 Reg. No. 36,819 Reg. No. 39,179 Reg. No. 40,615 Reg. No. 36,422 Reg. No. 35,455	usine
he status of which is  POWER OF ATTO in the Patent and	_ patented, RNEY: I here Trademark Of  LINDA B. B. HILLARY W KURT G. H. ROBIN W. E HELEN M. G SUE H. PAI GARY G. B ALAN J. K HARRY LU	x pending, by appoint the following fice connected therewith BLACKBURN HAWKINS AMMERLE EDWARDS GALUS LK BORDA ENNEDY	_ abandoned.  g attorney(s) to prosecute this application and to transact all bith:  Reg. No. 38,385 Reg. No. 42,235 Reg. No. 36,819 Reg. No. 39,179 Reg. No. 40,615 Reg. No. 36,422 Reg. No. 35,455 Reg. No. 28,625	usine
	_ patented, RNEY: I here Trademark Of  LINDA B. B. HILLARY W KURT G. H. ROBIN W. E HELEN M. G SUE H. PAI GARY G. B ALAN J. K HARRY LU	x pending, by appoint the following fice connected therewith BLACKBURN HAWKINS AMMERLE EDWARDS GALUS LK BORDA ENNEDY	abandoned.  g attorney(s) to prosecute this application and to transact all bith:  Reg. No. 38,385 Reg. No. 42,235 Reg. No. 36,819 Reg. No. 39,179 Reg. No. 40,615 Reg. No. 36,422 Reg. No. 35,455 Reg. No. 28,625 Reg. No. 31,117  DIRECT TELEPHONE CALLS TO:	usine
ADDRESS ALL (	_ patented,  RNEY: I here Trademark Of  LINDA B. B.  HILLARY W  KURT G. H  ROBIN W. E  HELEN M. (  SUE H. PAI  GARY G. B  ALAN J. K  HARRY LU  CORRESPOND	x pending, by appoint the following fice connected therewith BLACKBURN HAWKINS AMMERLE EDWARDS GALUS LK BORDA ENNEDY DENCE TO:	abandoned.  g attorney(s) to prosecute this application and to transact all bith:  Reg. No. 38,385 Reg. No. 42,235 Reg. No. 36,819 Reg. No. 39,179 Reg. No. 40,615 Reg. No. 36,422 Reg. No. 35,455 Reg. No. 28,625 Reg. No. 31,117  DIRECT TELEPHONE CALLS TO: Name: Telephone: (Set out complete number to be dialed	usin€
ADDRESS ALL ( Name:  Address: NA	_ patented,  RNEY: I here Trademark Of  LINDA B. B.  HILLARY W  KURT G. H  ROBIN W. E  HELEN M. (  SUE H. PAI  GARY G. B  ALAN J. K  HARRY LU  CORRESPOND	x pending, by appoint the following fice connected therewith the fice connected therewith the fice connected the following fice connected the first fice connected the following fice connected the first fi	abandoned.  g attorney(s) to prosecute this application and to transact all bith:  Reg. No. 38,385 Reg. No. 42,235 Reg. No. 36,819 Reg. No. 39,179 Reg. No. 40,615 Reg. No. 36,422 Reg. No. 35,455 Reg. No. 28,625 Reg. No. 31,117  DIRECT TELEPHONE CALLS TO: Name: Telephone: (Set out complete number to be dialed from USPTO):	usine
ADDRESS ALL ( Name:  Address:  Name:	_ patented,  RNEY: I here Trademark Of  LINDA B. B.  HILLARY W  KURT G. H  ROBIN W. E  HELEN M. (  SUE H. PAI  GARY G. B  ALAN J. K  HARRY LU  CORRESPOND	x pending, by appoint the following fice connected therewith the fice connected therewith the fice connected the following fice connected the following fice connected the following fice connected the first pending fice connected the following fice connected the fice connected the first pending fice connected the first pendin	abandoned.  g attorney(s) to prosecute this application and to transact all bith:  Reg. No. 38,385 Reg. No. 42,235 Reg. No. 36,819 Reg. No. 39,179 Reg. No. 40,615 Reg. No. 36,422 Reg. No. 35,455 Reg. No. 28,625 Reg. No. 31,117  DIRECT TELEPHONE CALLS TO: Name: Telephone: (Set out complete number to be dialed	usine



Further, as a named inventor I certify that the Government of the United States of America, as represented by the Administrator of the National Aeronautics and Space Administration, has  $\underline{x}$  an assignment in, or  $\underline{\ }$  license to the invention set forth in this application and has the irrevocable right to practice this application and to receive the patent.

Wherefore, I pray that Letters Patent be granted to me for this invention or discovery described and claimed in the foregoing specification and claims, and I hereby subscribe my name to the foregoing specification, claims, power of attorney and this petition.

I hereby declare that all statements made herein of my own knowledge are true and that - statements made on information and belief are believed to be true; and further that these, statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. §1001; and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

issuing ulereon.			
		FIRST	MIDDLE OR INITIAL
FULL NAME OF	LAST	Theodorous	J.
INVENTOR	DINGEMANS	Theodorous	
<b>\</b>			COVENTED V OF
PERIOE AND	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
RESIDENCE AND CITIZENSHIP	, cirr	Virginia	U.S.
CITIZENSIII	Hampton		0.8.
	Tumpton		
	AND MANUE	CITY AND STATE OR (COUNTRY)	ZIP CODE
POST OFFICE	STREET NO. AND NAME	Hampton, Virginia	23661
	313 Chesapeake Avenue	Trampton, Virginia	
			DATE
SIGNATURE			
<b>SIGN</b>			11/0/01
	IVV		117

FULL NAME OF INVENTOR	LAST WEISER	FIRST Erik	MIDDLE OR INITIAL S.
RESIDENCE AND CITIZENSHIP  POST OFFICE	Newport News STREET NO. AND NAME	Virginia CITY AND STATE OR (COUNTRY) Newport News, Virginia	COUNTRY OF CITIZENSHIP U.S.  ZIP CODE 23602
SIGNATURE	977 Drivers Lane		DATE 1/9/01

FULL NAME OF INVENTOR	ST. CLAIR	FIRST Terry	MIDDLE OR INITIAL L.
RESIDENCE AND CITIZENSHIP	Poquoson	STATE OR FOREIGN COUNTRY Virginia	COUNTRY OF CITIZENSHIP U.S.
POST OFFICE	STREET NO. AND NAME 17 Roberts Landing Drive	Poquoson, Virginia	ZIP CODE 23662
SIGNATURE	Stlin		1/12/01